DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-F007

APPLICATIONS SOFTWARE
13 April 1983

FILM LOAN ARCHIVAL SYSTEM
FOR THE FILM INFORMATION FILE

SYMBOLIC TITLE: LOANARCFIF
PROGRAMMER:

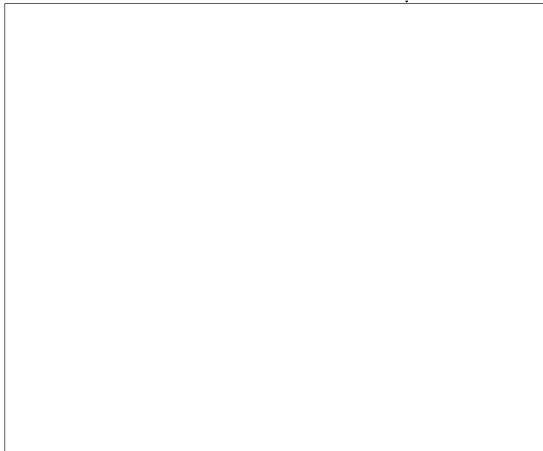STAT

Program LOANARCFIF

Date 20 October 1982

APPROVALS

This operations manual has been reviewed and approved by the following persons:

STAT

18 Nov 82
(date)

23 NOV 82
(date)

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Date 20 October 1982

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SUMMARY

The FIF Film-Loan Archival System, LOANARCFIF, is divided into four programs, each performing a specific function.

The first program, LOANARCFIF, reads the NPIC data base and creates a file (FIF*TEMPLOAN) containing the film-loan records.

The next program, LOANRPTFIF sorts the temporary loan records by mission number, control number-ID, and return date. A report is printed containing information on each entry.

The third program, LOANMRGFIF, merges the records of the temporary loan file with the existing history file, in the order mentioned above. The history file is then read to be sure no errors occur.
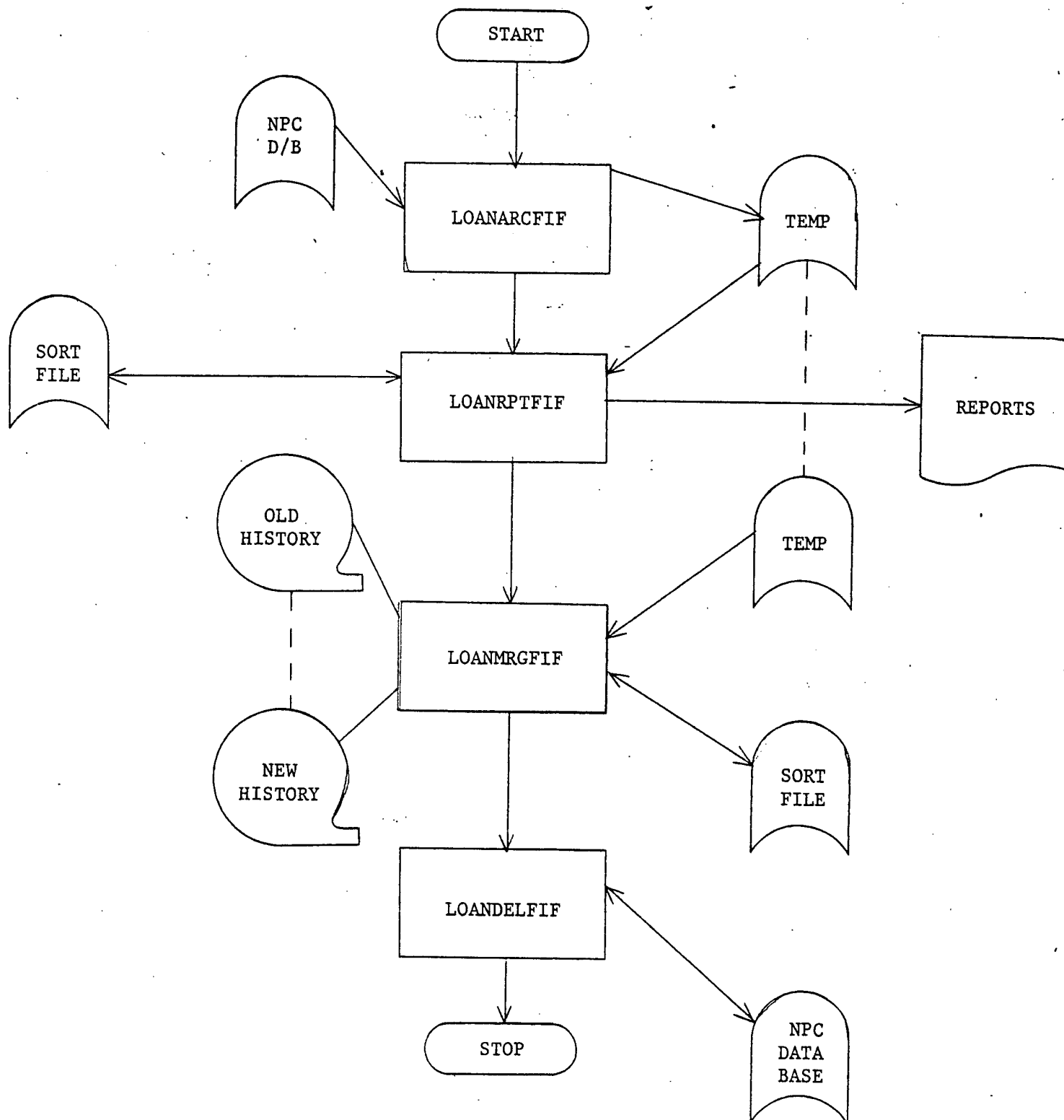
The fourth and last program, LOANDELFIF, purges all the film-loan records merged into the history tape from the NPIC data base.

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Program LOANARCFIF

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OPERATIONAL FLOW CHART

Program LOANARCFIF

Date 20 October 1982

MAGNETIC TAPE INPUT

Contents and Description of Tape Data – Tape contains selected records
from the FIF data base.

Type of Unit (7 Track or 9 Track)

      9-Track

Standard Tape Label: 'NDS 65 (SYS) LOANARCFIF'
                        (to be inserted by programmer)

Label Block File Name:

Mode: 1600 BPI

Code: ASCII

Record and Block Size: 100 records per block

File Sequence:

Source Program:

Source Component:

Disposition: The tape resides in the Tape Library

Restrictions: Thru four cycles

Quantity:

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INPUT TAPE FORMAT

```
FD  NEWLOAN
    RECORDING MODE IS SDF
    BLOCK CONTAINS 100 RECORDS
    DATA RECORD IS OLDLOAN
    LABEL RECORDS ARE OMITTED.
01  NEWLOAN-RECORD.
    02  MISS-NUM                    PIC X(7).
    02  LOAN-RECORD.
        05  CONTR-NUM-ID            PIC X(9).
        05  FILM-TYPE               PIC X(3).
        05  COPY-NUM                PIC 99.
        05  BADGE-NUM               PIC X(4).
        05  MIS-COMP                PIC X(3).
        05  CUSTOMER-COD            PIC X(3).
        05  REQUEST-NUM             PIC X(7).
        05  DAT-OUT                 PIC 9(6).
        05  DAT-DUE                 PIC 9(6).
        05  DAT-REC                 PIC 9(6).
        05  LOAN-TYPE               PIC X.
        05  SHIPMENT-NUM            PIC X(4).
```

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Program <u>LOANARCFIF</u>

Date <u>20 October 1982</u>

MAGNETIC TAPE OUTPUT

<u>Contents and Description of Tape Data</u> — Tape contains selected FIF records from the FIF data base sorted in sequence.

<u>Unit</u>

    9-Track

Standard Tape Label: <u>'NDS 65 (SYS) LOANARCFIF'</u>
                  (to be inserted by programmer)

Label Block File Name:

Mode: 1600 BPI

Code: ASCII

Record and Block Size: 61 characters per record/100 records per block

File Sequence: MISS-NUM, CONTROL-NUMB-ID, DATE-REC.

Source Component:

Disposition: Upon completion the tape is to be stored in the Tape Library

Retention Period: four cycles

Restrictions: None

Quantity:

Program <u>LOANARCFIF</u>

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HIGH-SPEED PRINTER OUTPUT

Identification: LONFIF Execution Summary

Format: Standard print file (132 char/line)

Type of Form: 1471-1pt.

Disposition: Send listing to Map and Imagery Branch, RSD/OSG

Program LOANARCFIF

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ON-LINE COMPUTER PROCESSING

EQUIPMENT REQUIREMENTS

Computer: UNIVAC 1100/80

Schema Used: NPICSCHEMA

. Storage:

      Core Required -

      I Bank   -

      D Bank   -

Peripheral Devices:

Restrictions: None

Files Accessed: FIF

Files Created/Deleted: Tape output file

File Size:

Approximate Number of Accesses:

Program <u>LOANARCFIF</u>

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NORMAL RUN INSTRUCTIONS

Initiation: ST XDB*P$RUN.LOANARCFIF/XQT,,,DMS

Messages: None

Monitor:

<u>Message</u>	<u>Cause</u>	<u>Operator Action</u>
NOW EXECUTING LOAN READ PROGRAM	None	Initiate the job
NOW EXECUTING LOAN REPT. PROGRAM	None	via key-in described
NOW EXECUTING LOAN MRG. PROGRAM	None	above.
NOW EXECUTING LOAN UPD. PROGRAM	None	

Program <u>LOANARCFIF</u>

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NORMAL RUN INSTRUCTIONS (Continued)

Interrupt/Reentry: Restart the job via:

```
"ST XDB*P$RUN.LOANARCFIF/XQT,,,DMS - starts all jobs again
"ST XDB*P$RUN.LOANRPTFIF/XQT,,,DMS - starts only the Report program
"ST XDB*P$RUN.LOANDELFIF/XQT,,,DMS - starts only the Update program
"ST XDB*P$RUN.LOANMRGFIF/XQT,,,DMS - starts only the Merge program
```

Disposition of Data: Save tapes in Library and return listing to user.

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ABNORMAL RUN INSTRUCTIONS

Messages:

<u>Message</u>	<u>Cause</u>	<u>Operator Action</u>
WARNING: AN ERROR HAS OCCURRED CAUSING A ROLLBACK	In the event of a data base error during the Read or Update program, the status code will be output. A DEPART with rollback will occur, resulting in all records being returned to the data base since the previously executed FREE, which occurs every 250 records.	Call Data Base Section, PB.

Find out which of the jobs running caused the error, correct and restart it
by typing in one or more of the following:

```
ST XDB*P$RUN.LOANARCFIF/XQT,,,DMS - starts all jobs again
ST XDB*P$RUN.LOANRPTFIF/XQT,,,DMS - starts only the Reports program
ST XDB*P$RUN.LOANMRGFIF/XQT,,,DMS - starts only the Update program
ST XDB*P$RUN.LOANDELFIF/XQT,,,DMS - starts only the Merge program
```